

## Claims

- [c1] A connector cap assembly for mechanically and electrically coupling to a connector having connector contacts comprising:
- a boot housing formed of electrical charge dissipative material, said housing sized to receive said connector therein, said boot housing comprising a floor portion contacting said connector contacts; and
- a retainer positioned on said housing for retaining a ground wire in contact with the housing.
- [c2] A connector cap assembly as recited in claim 1 wherein said charged dissipative material comprises rubber.
- [c3] A connector cap assembly as recited in claim 1 wherein said floor portion comprises a plurality of floor contacts electrically coupled to said connector contacts.
- [c4] A connector cap assembly as recited in claim 3 wherein said floor contacts contact more than one connector contacts.
- [c5] A connector cap assembly as recited in claim 3 wherein said floor contacts contact four connector contacts.
- [c6] A connector cap assembly as recited in claim 3 wherein said floor contacts are pyramidal in shape.
- [c7] A connector cap assembly as recited in claim 6 wherein said pyramidal shape has a plurality of sides, each side contacting one of said connector contacts.
- [c8] A connector cap assembly as recited in claim 7 wherein said plurality of sides comprises four.
- [c9] A connector cap assembly as recited in claim 1 wherein said floor portion is compliant.
- [c10] A connector cap assembly as recited in claim 1 wherein said retainer comprises a plurality of protrusions and a tab, whereby said ground wire is retained between said plurality of protrusions and said tab.

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- [c11] A connector cap assembly as recited in claim 1 wherein said boot housing has retainer arms extending therefrom, said retainer arms sized to receive said connector therein.
- [c12] A connector cap assembly as recited in claim 11 wherein said retainer arms comprise snap openings sized to receive a connector snap.
- [c13] A connector cap assembly as recited in claim 1 wherein said boot housing comprises alignment guide therein.
- [c14] An assembly comprising:  
a connector having connector contacts;  
a boot housing coupled to said connector, said boot housing formed of electrical charge dissipative material, said boot housing comprising a floor portion having a plurality of floor contacts contacting said connector contacts;  
a retainer positioned on said housing for retaining a ground wire in contact with the housing.
- [c15] An assembly as recited in claim 14 wherein said floor contacts contact more than one connector contacts.
- [c16] An assembly as recited in claim 14 wherein said floor contacts contact four connector contacts.
- [c17] An assembly as recited in claim 14 wherein said boot housing has retainer arms extending therefrom, said retainer arms sized to receive a guide channel on said connector.
- [c18] An assembly as recited in claim 17 wherein said retainer arms comprise snap openings sized to receive a snap disposed on said connector.
- [c19] An assembly as recited in claim 14 wherein said boot housing comprises alignment guide therein.
- [c20] An assembly as recited in claim 19 wherein said connector is coupled to a socket carrier having an alignment slot sized to receive said alignment guide.